



# Tenax Spa

## LUSTRO ITALIANO STONE POLISH

Revision nr.1  
Dated 6/29/2015  
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### Safety data sheet according to U.S.A. Federal Hazcom 2012

#### SECTION 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name **LUSTRO ITALIANO STONE POLISH**  
Chemical name and synonym **CERE E RESINE IN SOLUZIONE IN SPRAY**

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **BRIGHTENER WAX FOR NATURAL STONES.**

##### 1.3. Details of the supplier of the safety data sheet

Name **Tenax Spa**  
Full address **Via I Maggio, 226**  
District and Country **37020 Volargne (VR)**  
**Italy**  
Tel. **+39 045 6887593**  
Fax **+39 045 6862456**

e-mail address of the competent person responsible for the Safety Data Sheet **msds@tenax.it**

Product distribution by **TENAX USA - 625 Griffith Road - Unit 120 - Charlotte NC 28217 Tel. 001 704 583 1173 - Tel: (800) 341 0432 - Fax 001 704 583 3166 - info@tenaxusa.com**

##### 1.4. Emergency telephone number

For urgent inquiries refer to **1-800-5355053 (1-352-323-3500 international)**

#### SECTION 2. Hazards identification.

##### 2.1. Classification of the substance or mixture.

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). The product thus requires a safety datasheet.  
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

##### Classification and Hazard Statement.

Aerosol, category 1  
Aspiration hazard, category 1  
Specific target organ toxicity - single exposure, category 3

Extremely flammable aerosol.  
May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.

##### Hazard pictograms:



Signal words: **Danger**

##### Hazard statements:

**H222** Extremely flammable aerosol.  
**H304** May be fatal if swallowed and enters airways.  
**H336** May cause drowsiness or dizziness.

##### Precautionary statements:

##### Prevention:

**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P211** Do not spray on an open flame or other ignition source.  
**P251** Do not pierce or burn, even after use.  
**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P271** Use only outdoors or in a well-ventilated area.

##### Response:

**P304+P340** IF INHALED: remove person to fresh air and keep comfortable for breathing.  
**P331** Do NOT induce vomiting.

##### Storage:



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### SECTION 2. Hazards identification. ... / >>

**P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P405** Store locked up.  
**P410+P412** Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.

**Disposal:**  
**P501** Dispose of contents / container according to applicable law.

2.2. Other hazards.

Additional hazards.  
Repeated exposure may cause skin dryness or cracking.

### SECTION 3. Composition/information on ingredients.

#### 3.1. Substances.

Information not relevant.

#### 3.2. Mixtures.

Contains:

Identification.	Conc. %.	Classification:
<b>NAPHTHA (PETROL.) HYDROTREATED HEAVY</b> CAS. 64742-48-9	30 - 50	Flammable liquid, category 3 H226, Aspiration hazard, category 1 H304, Specific target organ toxicity - single exposure, category 3 H336
<b>1,2-DICHLOROPROPANE</b> CAS. 78-87-5	1 - 3.5	Flammable liquid, category 2 H225, Acute toxicity, category 4 H302, Acute toxicity, category 4 H332

Note: Upper limit is not included into the range.  
The full wording of hazard (H) phrases is given in section 16 of the sheet.

### SECTION 4. First aid measures.

#### 4.1. Description of first aid measures.

**EYES:** Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.  
**SKIN:** Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.  
**INHALATION:** Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.  
**INGESTION:** Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed.

For symptoms and effects caused by the contained substances, see chap. 11.

#### 4.3. Indication of any immediate medical attention and special treatment needed.

Information not available.

### SECTION 5. Firefighting measures.

#### 5.1. Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

#### 5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

#### 5.3. Advice for firefighters.

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).



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### SECTION 6. Accidental release measures.

#### 6.1. Personal precautions, protective equipment and emergency procedures.

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

#### 6.2. Environmental precautions.

Do not disperse in the environment.

#### 6.3. Methods and material for containment and cleaning up.

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage.

#### 7.1. Precautions for safe handling.

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

#### 7.2. Conditions for safe storage, including any incompatibilities.

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C, away from any combustion sources.

#### 7.3. Specific end use(s).

Information not available.

### SECTION 8. Exposure controls/personal protection.

#### 8.1. Control parameters.

Regulatory References:

USA	OSHA-PEL	Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1-1910.1000.
USA	CAL/OSHA-PEL	California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs).
	TLV-ACGIH	ACGIH 2014

#### 1,2-DICHLOROPROPANE

##### Threshold Limit Value.

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	46	10		
OSHA	USA	350	75		
CAL/OSHA	USA	350	75	510	110

TLV of solvent mixture: 46 mg/m3.

#### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must comply with current regulations.

##### HAND PROTECTION

None required.

##### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

##### EYE PROTECTION

Wear airtight protective goggles (OSHA 29 CFR 1910.133).



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### SECTION 8. Exposure controls/personal protection. ... / >>

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a NIOSH certified combined filter should be worn (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

#### ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

### SECTION 9. Physical and chemical properties.

#### 9.1. Information on basic physical and chemical properties.

Appearance	liquid
Colour	colourless
Odour	aromatic
Odour threshold.	Not available.
pH.	Not available.
Melting point / freezing point.	Not available.
Initial boiling point.	Not applicable.
Boiling range.	Not available.
Flash point.	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	0.800 Kg/l
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	Not available.
Explosive properties	Not available.
Oxidising properties	Not available.

#### 9.2. Other information.

Solid content.	3,00 %
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### SECTION 10. Stability and reactivity.

#### 10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM: can form flammable mixtures with the air.

#### 10.2. Chemical stability.

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions.

No hazardous reactions are foreseeable in normal conditions of use and storage.

1,2-DICHLOROPROPANE: risk of explosion on contact with: aluminium and metal powders. It may react dangerously with: alkaline metals, alkaline earth metals, sodium amides. Forms explosive mixtures with the air.

#### 10.4. Conditions to avoid.

Avoid overheating.

#### 10.5. Incompatible materials.

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

#### 10.6. Hazardous decomposition products.

1,2-DICHLOROPROPANE: hydrochloric acid.

### SECTION 11. Toxicological information.

#### 11.1. Information on toxicological effects.

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.



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### SECTION 11. Toxicological information. ... / >>

The introduction of even small quantities of this liquid into the respiratory system in case of ingestion or vomit may cause bronchopneumonia and pulmonary edema.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

NAPHTHA (PETROL.) HYDROTREATED HEAVY  
LD50 (Oral). > 5000 mg/kg Rat  
LD50 (Dermal). > 2000 mg/kg Rabbit  
LC50 (Inhalation). 21.1 mg/l/4h rat

Carcinogenicity Assessment:  
78-87-5 1,2-DICHLOROPROPANE  
ACGIH:: A4  
IARC:3

### SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

#### 12.1. Toxicity.

NAPHTHA (PETROL.) HYDROTREATED HEAVY  
LC50 - for Fish. 8.2 mg/l/96h Pimephales promelas  
EC50 - for Crustacea. 4.5 mg/l/48h Daphnia magna  
EC50 - for Algae / Aquatic Plants. 3.1 mg/l/72h Pseudokirchnerella subcapitata

#### 12.2. Persistence and degradability.

1,2-DICHLOROPROPANE  
Solubility in water. mg/l 1000 - 10000  
NOT rapidly biodegradable.

NAPHTHA (PETROL.) HYDROTREATED HEAVY  
Rapidly biodegradable.

#### 12.3. Bioaccumulative potential.

1,2-DICHLOROPROPANE  
Partition coefficient: n-octanol/water. 1.99

#### 12.4. Mobility in soil.

1,2-DICHLOROPROPANE  
Partition coefficient: soil/water. 1.72

NAPHTHA (PETROL.) HYDROTREATED HEAVY  
Partition coefficient: soil/water. 1.78

#### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects.

Information not available.

### SECTION 13. Disposal considerations.

#### 13.1. Waste treatment methods.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to dangerous goods transport regulations.



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### CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information.

### 14.1. UN number.

ADR / RID, IMDG, IATA: 1950

### 14.2. UN proper shipping name.

ADR / RID: AEROSOLS, FLAMMABLE  
IMDG: AEROSOLS  
IATA: AEROSOLS, FLAMMABLE

### 14.3. Transport hazard class(es).

ADR / RID: Class: 2 Label: 2.1



IMDG: Class: 2 Label: 2.1



IATA: Class: 2 Label: 2.1



### 14.4. Packing group.

ADR / RID, IMDG, IATA: -

### 14.5. Environmental hazards.

ADR / RID: NO  
IMDG: NO  
IATA: NO

### 14.6. Special precautions for user.

ADR / RID:	HIN - Kemler: --	Limited Quantities 1 L	Tunnel restriction code (D)
IMDG:	Special Provision: -		
IATA:	EMS: F-D, S-U	Limited Quantities 1 L	
	Cargo:	Maximum quantity: 150 Kg	Packaging instructions: 203
	Pass.:	Maximum quantity: 75 Kg	Packaging instructions: 203
	Special Instructions:	A145, A167, A802	

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Information not relevant.

## SECTION 15. Regulatory information.

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

U.S. Federal Regulations.

TSCA:

All components are listed on TSCA Inventory.

Clean Air Act Section 112(b):

78-87-5 1,2-DICHLOROPROPANE

Clean Air Act Section 602 Class I Substances:

No component(s) listed.



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### SECTION 15. Regulatory information. ... / >>

Clean Air Act Section 602 Class II Substances:

No component(s) listed.

Clean Water Act – Priority Pollutants:

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Clean Water Act – Toxic Pollutants:

78-87-5 1,2-DICHLOROPROPANE

DEA List I Chemicals (Precursor Chemicals):

No component(s) listed.

DEA List II Chemicals (Essential Chemicals):

No component(s) listed.

EPA List of Lists:

313 Category Code:

78-87-5 1,2-DICHLOROPROPANE

EPCRA 302 EHS TPQ:

No component(s) listed.

EPCRA 304 EHS RQ:

No component(s) listed.

CERCLA RQ:

78-87-5 1,2-DICHLOROPROPANE

EPCRA 313 TRI:

78-87-5 1,2-DICHLOROPROPANE

RCRA Code:

78-87-5 1,2-DICHLOROPROPANE

CAA 112 (r) RMP TQ:

106-97-8 BUTANE (Alkanes)

State Regulations:

Massachusetts:

106-97-8 BUTANE (Alkanes)  
78-87-5 1,2-DICHLOROPROPANE

Minnesota:

106-97-8 BUTANE (Alkanes)  
78-87-5 1,2-DICHLOROPROPANE

New Jersey:

106-97-8 BUTANE (Alkanes)  
78-87-5 1,2-DICHLOROPROPANE

New York:

78-87-5 1,2-DICHLOROPROPANE

Pennsylvania:

106-97-8 BUTANE (Alkanes)  
78-87-5 1,2-DICHLOROPROPANE

California:

106-97-8 BUTANE (Alkanes)  
78-87-5 1,2-DICHLOROPROPANE

Proposition 65:

**WARNING!** This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

78-87-5 1,2-DICHLOROPROPANE C

International Regulations:

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None.

Substances subject to the Rotterdam Convention:



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### SECTION 15. Regulatory information. ... / >>

None.

Substances subject to the Stockholm Convention:

None.

Canadian WHMIS:

Information not available.

### SECTION 16. Other information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Aerosol 1</b>	Aerosol, category 1
<b>Flam. Liq. 2</b>	Flammable liquid, category 2
<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>H222</b>	Extremely flammable aerosol.
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H302</b>	Harmful if swallowed.
<b>H332</b>	Harmful if inhaled.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H336</b>	May cause drowsiness or dizziness.

#### LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAA 112 @ RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112@)
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: EC Regulation 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- REL: Recommended exposure limit
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TSCA: Toxic Substances Control Act
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

#### GENERAL BIBLIOGRAPHY:

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique (toxicological sheet)





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### SECTION 16. Other information. ... / >>

- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
  
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Communication Standard (HCS 2012)
- IARC website
- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachusetts 105 CMR Department of public health 670.000: "Right to Know"
- Minnesota Chapter 5206 Department Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.